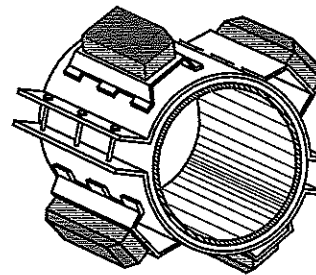
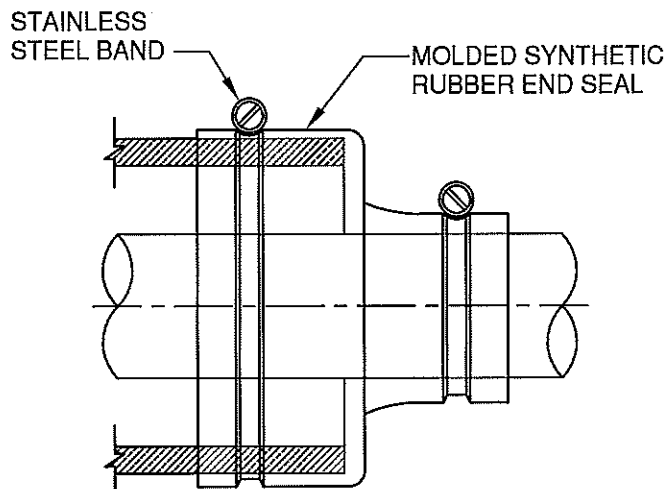


SIZE WATER MAIN	MAX. BELL O.D.	MIN. SMOOTH STEEL CASING PIPE REQ'D.
6"	10.19"	16"
8"	13.19"	18"
12"	17.25"	24"
16"	22.38"	30"
20"	27.25"	36"
24"	31.56"	42"
30"	38.75"	48"
36"	45.00"	54"
42"	51.25"	60"
48"	58.00"	66"
54"	65.63"	72"
60"	72.38"	84"

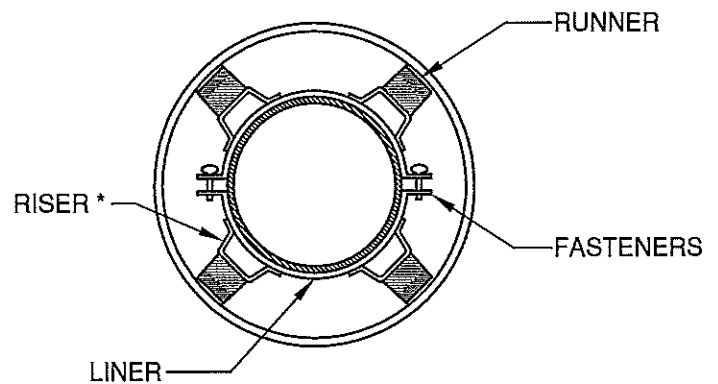
① CASING PIPE SIZE BASED ON TYPICAL BELL O.D.
OF D.I. RESTRAINED JOINT PIPE MANUFACTURED
AND NOMINAL CONCRETE PIPE SIZE.



* NUMBER OF RUNNERS/RISERS PER
MANUFACTURER'S STANDARD.



END SEAL



CENTERED AND
RESTRAINED CASING SPACER

CITY OF COLUMBUS
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF WATER

APPROVED:

RC Westfield
ADMINISTRATOR

5-15-13
DATE

STANDARD DETAIL
CASING PIPE, SPACERS
AND END SEALS

L-6324